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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/484,974	01/18/2000	Han Ju Yu	SAMJ-098	1344
7590	11/24/2003		EXAMINER	
Mills & Onello LLP Eleven Beacon Street Suite 605 Boston, MA 02108			PARSONS, CHARLES E	
			ART UNIT	PAPER NUMBER
			2613	
			DATE MAILED: 11/24/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/484,974	YU ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Charles E Parsons	2613	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 05 November 2003.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) \_\_\_\_\_ is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1,2,4 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. §§ 119 and 120

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All b) Some \* c) None of:  
1. Certified copies of the priority documents have been received.  
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) The translation of the foreign language provisional application has been received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

#### Attachment(s)

- |  |  |
|--|--|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                               | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ . |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)           | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ . | 6) <input type="checkbox"/> Other: _____ .                                   |

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## DETAILED ACTION

### ***Response to Arguments***

1. Applicant's arguments with respect to claims 1,2 and 4 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1, 2 and are 4 rejected under 35 U.S.C. 102(e) as being anticipated by Chauvel et al.

Claim 1 and 4: A moving picture experts group (MPEG) decoder for producing a caption for display on a screen, said decoder producing a video stream from an externally-applied MPEG stream, the decoder comprising:

a video decoder for decoding the video stream and extracting user data from header information of the video stream, the user data indicating whether the video stream includes caption data;; See figure 1b item 252 as well as column 11 lines 27-31 and figure 17D showing the caption data in the header.

a header memory for storing the user data; (See Chauvel figures 17B,D,E and F where header data is clearly extracted, storage of the header is inherent.)

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a central processing unit (CPU) for

(i) decoding the user data

(ii) determining from the user data whether the video stream includes caption data. (See  
11 lines 38-40)

(iii) transforming the caption data into on-screen-display (OSD) object data; (See figure 2  
item 220, the Arm core is a CPU capable of performing this function.)

and (iv) generating an OSD enable signal if the video stream contains caption data: (See  
column 11 lines 46-49. Turning the OSD function on is an enable signal.)

an OSD controller for receiving the OSD enable signal and transforming the OSD object  
data into pixel data in response to a predetermined enable signal and outputting the pixel  
data; and a video mixer for mixing the pixel data with the decoded video data. (See  
column 41 lines 30-59, please note the mixing function on line 39. In addition an enable  
signal comes from the ARM core that enables it.)

Wherein the OSD object data is considered data transformed from caption information  
(See column 11 lines 27-31) when a caption function is performed, and considered data  
for displaying non caption OSD characters when a non caption function is performed.  
(See Chauvel column 11 lines 39-52. The only time the caption data comes from the  
OSD data buffer is when there is a request for the caption data, otherwise the non  
caption data is displayed on the screen.)

Claim 2. The MPEG decoder of claim 1, wherein the OSD controller comprises:

an OSD buffer for storing the OSD object data received from the CPU; and

an OSD processor for reading the OSD object data from the OSD buffer and transforming  
the OSD object data into pixel data. See column 43 lines 33-67. Buffer and memory are  
synonymous.

ANDY RAO  
PRIMARY EXAMINER